

FEATURES

- **DESIGNED FOR SONET/SDH/ATM SYSTEMS**
- **REFLOW SOLDERABLE SMT PACKAGE**
- **COMPACT SIZE:**
26 x 10 x 3 (mm)
- **LOW POWER CONSUMPTION:**
0.3 W TYP
- **SINGLE +3.3 V POWER SUPPLY**
- **WIDE OPERATING TEMPERATURE RANGE:**
OD-J6502-0B01: 0 to +65°C
OD-J6502-HB01: -40 to +85°C

PERFORMANCE CHARACTERISTICS

Parameter	Performance
Transmission Speed	155.52 Mbps
Data Format	Scrambled NRZ (External Scrambler is Required)
Pigtail Fiber (Separate order is necessary)	SMF Pigtail length: 550 mm each Optical Connector: SC, FC, MUJ
Output Optical Interface	Launched Power: -5 to 0 dBm Extinction ratio: 10 dB MIN
Input Electrical Interface	Data: P-ECL Clock: P-ECL
Applicable Transmission Fiber Cable	SMF (SI-10/125)
Operating Ambient Temperature	0 to 65°C: OD-J6502-0B01 -40 to 85°C: OD-J6502-HB01
Relative Humidity	30 to 80 % RH (Non-condense Condition)
Power Supply Voltage	DC: +3.3 V
Power Consumption	0.3 W TYP
Dimensions (Refer to Outline Dimensions)	26 x 10 x 3 (mm)
Alarm Functions	Optical output down alarm LD bias alarm

MAJOR PERFORMANCE

- **DATA RATE:**
155.52 Mbps (STM-1, OC-3)
- **P-ECL SIGNAL LOGIC INTERFACE**
- **ALARM FUNCTIONS:**
Optical output down alarm, LD bias alarm
- **AUTOMATIC OPTICAL LAUNCHED POWER STABILIZING**

APPLICATIONS

- **TELECOMMUNICATIONS NETWORKS**
SONET OC-3 LR-1 Interface Compatible
(GR-253-Core Requirements)
STM-1 L-1.1 Interface Compatible
(ITU-T Recommendation G.957)

PIGTAIL ORDERING INFORMATION¹

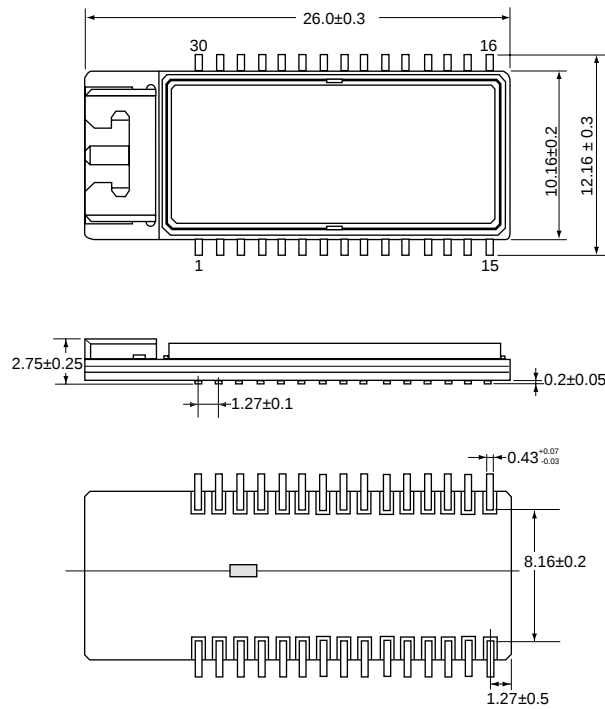
Pigtail Optical Connector	Part Number
SC	OD-S524-SC-SM
FC	OD-S524-FCPC-SM
MUJ	OD-S524-MUJ-SM

Note:

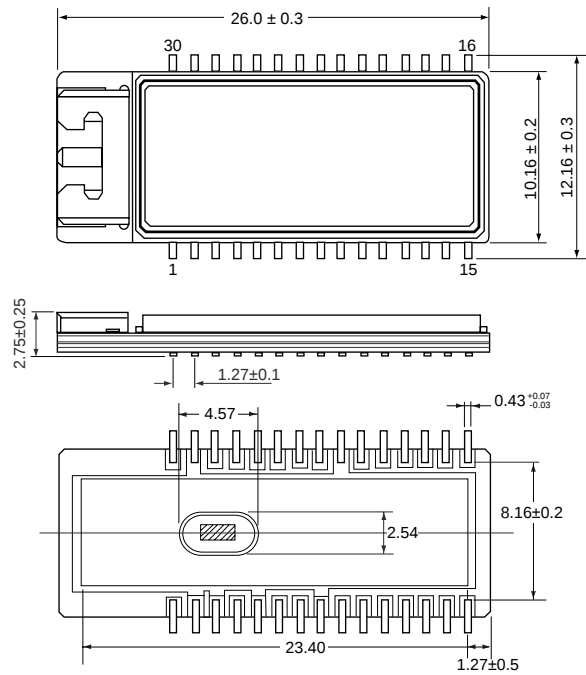
1. Pigtail fiber is not included with the product. Separate order is required.

OUTLINE DIMENSIONS (Units in mm)

OD-J6502-0B01



OD-J6502-0H01



PIN NO.	SYMBOL	I/O	PIN NO.	SYMBOL	I/O
1	OPT MON	O	16	GND	I
2	GND	I	17	GND	I
3	GND	I	18	GND	I
4	FF SEL	I	19	GND	I
5	GND	I	20	EXT C	-
6	CLK IN (-)	I	21	Vcc	I
7	CLK IN (+)	I	22	GND	I
8	GND	I	23	GND	I
9	DATA IN (-)	I	24	GND	I
10	DATA IN (+)	I	25	GND	I
11	SHUT DOWN	I	26	GND	I
12	BIAS MON	O	27	GND	I
13	CURR ALM TST	I	28	Vcc	I
14	CURR ALM	O	29	GND	I
15	OPT OUT ALM	O	30	Vcc	I

I: Input Terminal, O: Output Terminal